

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev 2-32) PATENT AND TRADEMARK OFFICE  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)	ATTY. DOCKET NO.: 108314	SERIAL NO.:
	APPLICANT: AKPORIAYE et al.	
	FILING DATE:	GROUP ART UNIT:

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/AS/		5,304,354	4/94	Finley et al.	422	196	11/30/92
↓		5,489,726	2/96	Huss, Jr. et al.	585	671	4/26/94
↓		5,609,826	3/97	Cargill et al.	422	99	4/17/95
↓		5,612,002	3/97	Cody et al.	422	131	4/28/95
↓		5,746,982	5/98	Saneii et al.	422	134	2/29/96
↓		5,766,556	6/98	DeWitt et al.	422	131	12/31/96
↓		5,785,927	7/98	Scott et al.	422	104	10/24/96
/AS/		5,792,431	8/98	Moore et al.	422	134	5/30/96

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	NAME	INT'L CLASS	TRANSLATION
/AS/		WO96/11878-A1	4/96		Schultz et al.	CO1G 51.04	YES
↓		WO97/30784-A1	8/97		Gani et al.	BO1J 19/00, C07K 1/04	YES
↓		WO97/32208-A1	9/97		Willson	HO1J49/100	YES
↓		WO98/07026-A1	2/98		Windhab et al.	GO1N 31/10 25/22	YES
↓		WO98/36826-A1	8/98		Wendelbo et al.	IPC6:NBOIJF 3/00 C30B F29/34	YES
↓		WO99/19724-A1	4/99		Atkins et al	GO1N 31/10	YES
/AS/		WO99/34206-A1	7/99		Maier et al.	GO1N 33/10	YES

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

/AS/			Akporiaye, D. E.; Dahl, I. M.; Karlsson, A.; Wendelbo, R. <i>Angew Chem. Int. Ed.</i> 1998, 37, 609-611
↓			Holzwarth, A.; Schmidt, H.; Maier, W. F. <i>Angew. Chem. Int. Ed.</i> , 1998, 37, 2644-2647
↓			Bein, T. <i>Angew. Chem. Int. Ed.</i> , 1999, 38, 323-326
↓			Taylor, S. J.; Morken, J. P. <i>Science</i> , April 1998, 280(10), 267-270
↓			Senkam, S. M. <i>Nature</i> , July 1998, 384(23), 350-353
↓			Cong, P.; Doolen, R. D.; Fan, Q.; Giaquinta, D. M.; Guan, S.; McFarland, E. W.; Poojary, D. M.; Self, K.; Turner, H. W.; Weinberg, W. H. <i>Angew Chem. Int. Ed.</i> 1999, 38, 484-488
/AS/			Klien, J.; Lehmann, C. W.; Schmidt, H.; Maier, W. F. <i>Angew Chem. Int. Ed.</i> 1998, 37, 3369-3372
EXAMINER /Arlen Soderquist/			DATE CONSIDERED 03/19/2007

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>	<b>Complete if Known</b>	
	Application Number	
	Filing Date	
	First Named Inventor	DUNCAN E. AKPORIAYE et al.
	Art Unit	
	Examiner Name	
	Attorney Docket Number	108314

## U.S. PATENT DOCUMENTS

EXAMINER INITIALS		DOCUMENT NUMBER	PUBL DATE	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/AS/		4,014,657	377	Gryaznov et al.	23	288R	5/25/72
		5,405,586	422	Koves	422	218	6/30/94
		6,063,633	5/00	Willson et al.	436	37	6/17/96
		6,342,185 B1	1/02	Dahl et al.	422	82.12	12/15/99
		6,576,196 B1	6/03	Akporiaye et al.	422	82.12	12/15/99
/AS/		6,368,865 B1	4/02	Dahl et al.	436	37	12/15/99

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	NAME	Class	TRANSLATION	
							YES	NO
/AS/		DE 198 09 477A1	9-16-99	Germany	Schuth	GO1N 31/10	X	
/AS/		WO 98/52685	11/26/98	PCT	Kayser	BO1J 19/00	X	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/AS/			Schoubye, Peter, <i>Journal of Catalysis</i> , 1969, 14, 238-216
/AS/			Rouco, A.J., <i>Journal of Catalysis</i> , 1995, 157, 380-387
/AS/			Johnson et al. <i>Industrial and Engineering Chemistry</i> , 1953, 45, 849-855,
EXAMINER /Arlen Soderquist/			DATE CONSIDERED 03/23/2007

(Above references are attached hereto unless provided during the prosecution of parent application S.N. 09/464,313 filed 12/15/99)

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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## U.S. PATENT DOCUMENTS

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CITATION DOCUMENTS (including Author, Title, Date, Publication Pages, Etc.)		
		P.H. Johnson et al Ind. Eng. Chem 1953, 45, 849-855
/AS/		C.J. Norton et al. Priprints 0- Am. Chem. Soc. Div. Petrol. Chem. 1964, 9, 129-138
/AS/		S. Hovmand et al, Trans. Inst. Chem. Eng. 1971, 49, 149-162
/AS/		J. M. Berty in "Applied Industrial Catalysts " Vol. 1, 1983, Academic Press: New York, pages 41-67
/AS/		R. Font et al, Ind. Eng. Chem. Prod. Res. Dev. 1986, 25, 491-496
/AS/		L. Garcia et al, Energy & Fuels 1998, 139-143
EXAMINER		DATE CONSIDERED
/Arlen Soderquist/		03/23/2007